

PATENT ABSTRACTS OF JAPAN

(1) Publication number: 08-289504
 (43) Date of publication of application: 14.10.1997

(51) Int. Cl.
 G02F 1/136
 G02B 5/00
 G02F 1/1335
 G02F 1/1335
 G02F 1/1343
 G09F 9/30

(21) Application number: 08-076792
 (22) Date of filing: 29.03.1996

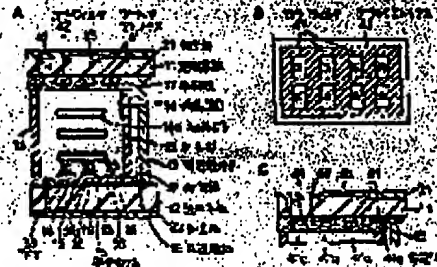
(71) Applicant: HOSIDEN CORP
 (72) Inventor: MATSUMOTO SHOKHI
 INADA TOSHIYA
 MORIYA MITSUO
 SEYAMA SHUICHI

(54) LIQUID CRYSTAL DISPLAY ELEMENT

(57) Abstract

PROBLEM TO BE SOLVED: To lessen the degradation in white luminance and the occurrence of after-images.

SOLUTION: An active matrix LCD of an IPS (in-plane switching) system is constituted by disposing transparent substrates 11, 12 opposite in proximity to each other across a liquid crystal layer 14 and disposing black matrices 41 on the inside surface of this substrate 11 and a polarizing plate 21 on the outside surface respectively. Pixel region parts 30 including thin-film transistors 33, pixel electrodes 15 and common electrodes 16 are formed in a matrix form on the inside surface of the substrate 12 and a polarizing plate 22 is disposed on the outside surface. The black matrices 41 consist of conductive material. The black matrices 41 and the common electrodes 16 are further shorted by conductive materials 43.



LEGAL STATUS

[Date of request for examination]
 [Date of sending the examiner's decision of rejection]
 [Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
 [Date of final disposal for application]
 [Patent number]
 [Date of registration]
 [Number of appeal against examiner's decision of rejection]
 [Date of requesting appeal against examiner's decision of rejection]
 [Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office